

U.S. DEPARTMENT OF LABOR  
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

MATERIAL SAFETY DATA SHEET  
RED DEVIL(R\*) ACRYLIC LATEX GLOSS ENAMEL-ALL SHADES

DIVERSIFIED BRANDS, INC.  
A SHERWIN-WILLIAMS COMPANY  
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**SECTION 1 - PRODUCT IDENTIFICATION**

PRODUCT: RED DEVIL(R*) ACRYLIC LATEX GLOSS ENAMEL-ALL SHADES	SHADES	UPC CODES	FORMULA NUMBER
PURE WHITE,			
BOLD BLUE,	75685 02502; 75685 02504;		
	75685 02505; 75685 02512;		M050279; M050740;
BLUEBERRY,			
DUTCH YELLOW,	75685 02514; 75685 02522;		
	75685 02524; 75685 02532;		M050848; M050879;
CRIMSON,			
RICH WALNUT,	75685 02534; 75685 02542;		
	75685 02544; 75685 02562;		M050742; M050743;
SURF BLUE,			
JET BLACK,	75685 02564; 75685 02572;		
	75685 02574; 75685 02582;		M050744; M050728;
PROVINCIAL			
BLUE, PLUM,	75685 02584; 75685 02585;		
	75685 02592; 75685 02594;		M050846; M050845;
EVERGREEN,			
SATIN WHITE,	75685 02602; 75685 02604;		
	75685 02612; 75685 02614;		M050847; M050285;
DUBLIN GREEN,			
SATIN BLACK,	75685 02622; 75885 02624;		
	75885 02632; 75885 02634;		M050745; M050738;
SLATE BLUE,			
ALMOND,	75685 02642; 75685 02644;		
	75685 02652; 75685 02654;		M050746; M050747;
COUNTRY WHITE,			
PASTEL TINT			
BASE	75685 02662; 75685 02664;		
	75685 02554; 75685 02555		M050472; M050689

THIS MATERIAL SAFETY DATA SHEET (MSDS) CONTAINS TOXICOLOGY, INDUSTRIAL HYGIENE, AND ENVIRONMENTAL INFORMATION FOR YOUR EMPLOYEES. PLEASE MAKE SURE THEY ARE PROVIDED WITH THIS INFORMATION. IT ALSO CONTAINS INFORMATION TO ASSIST WITH MEETING COMMUNITY RIGHT-TO-KNOW AND EMERGENCY RESPONSE REPORTING REQUIREMENTS UNDER SARA TITLE III AND OTHER LAWS. IF YOU RESELL THIS PRODUCT, PROVIDE THE BUYER WITH THIS MSDS OR INCORPORATE THIS INFORMATION INTO A NEW MSDS. DISREGARD ANY PREVIOUS EDITION OF THIS MSDS. THIS MSDS WAS PREPARED ACCORDING TO THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR SUBSECTION 1910.1200) AND THE ANSI MSDS STANDARD (ANSI Z400.1) BY HAZARD INFORMATION SERVICES(SM), 8100 34TH AVE. SOUTH, P.O. BOX 1309, MPLS, MN 55440- 1309.

**SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS**

NAME (CAS#)	%	EXPOSURE LIMITS	REFERENCES
2,2,4-TRIMETHYL-1 , 3-PENTANEDIOL MONOISOBUTYRATE (25265-77-4)	<5	NDA	
PROPYLENE GLYCOL (57-55-6)	<5	50 PPM; 10MG/M3 WEEL-TWA	AIHA 1995
TITANIUM DIOXIDE (13463-67-7)	0-20	10 MG/M3 TLV-TWA 15 MG/M3 PEL-TWA(TD)	ACGIH 1995-96 OSHA 1989

**SECTION 3: HAZARD IDENTIFICATION**

## EMERGENCY OVERVIEW

APPEARANCE AND ODOR: OPAQUE, VISCOUS LIQUID WITH SLIGHT AMMONIA ODOR

STATEMENT OF HAZARD: CAUTION!

ACUTE HAZARDS NONE EXPECTED  
 CHRONIC HAZARDS: NONE EXPECTED

NFPA RATING: HEALTH - 0  
 FLAMMABILITY - 0  
 REACTIVITY - 0  
 SPECIAL - NDA

HMIS RATING: HEALTH - 0  
 FLAMMABILITY - 0  
 REACTIVITY - 0  
 PROTECTIVE EQUIPMENT - B

NFPA AND HMIS RATINGS ARE ASSIGNED BY HAZARD INFORMATION SERVICES(SM) BASED ON CRITERIA PUBLISHED BY THE NATIONAL FIRE PROTECTION ASSOCIATION AND THE NATIONAL PAINT & COATINGS ASSOCIATION RESPECTIVELY, AND SHOULD ONLY BE INTERPRETED BY PERSONS TRAINED IN THESE RATING SYSTEMS.

1993 DOT EMERGENCY RESPONSE GUIDE BOOK: NA

ROUTES OF ENTRY:

EYE CONTACT  
 SKIN CONTACT  
 INGESTION  
 INHALATION

POTENTIAL HEALTH EFFECTS:

ACUTE EFFECTS:

LOCAL EFFECTS (EYES, SKIN, NOSE, THROAT, STOMACH, ETC.)  
 MAY CAUSE SLIGHT IRRITATION TO THOSE WITH SENSITIVE SKIN  
 SYSTEMIC EFFECTS

NO ADVERSE EFFECTS EXPECTED

SUB-CHRONIC EFFECTS

NO ADVERSE EFFECTS EXPECTED

NON-CARCINOGENIC CHRONIC EFFECTS

NO ADVERSE EFFECTS EXPECTED

REPRODUCTIVE OR DEVELOPMENTAL EFFECTS

THIS PRODUCT CONFORMS TO CALIFORNIA'S SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 (PROPOSITION 65)

CANCER

THIS PRODUCT CONFORMS TO CALIFORNIA'S SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 (PROPOSITION 65)

THIS PRODUCT CONTAINS TITANIUM DIOXIDE (13463-67-7) IARC HAS DETERMINED TO BE NOT CLASSIFIABLE AS TO ITS CARCINOGENICITY IN HUMANS BASED ON INADEQUATE EVIDENCE OF CARCINOGENICITY IN BOTH HUMANS AND EXPERIMENTAL (IARC GROUP 3)

POSSIBLE TARGET ORGANS

NONE

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

NONE

**SECTION 4: FIRST AID**

FOR ASSISTANCE WITH MEDICAL EMERGENCIES CONTACT:  
 (216) 566-2917

EYE CONTACT

IMMEDIATELY FLUSH WITH PLENTY OF WATER  
 REMOVE CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES  
 SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS AND PERSISTS

SKIN CONTACT

REMOVE CONTAMINATED CLOTHING  
 FLUSH AFFECTED AREA WITH WATER, THEN WASH THOROUGHLY WITH MILD SOAP AND WATER  
 SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS AND PERSISTS

INGESTION

WIPE OUT MOUTH AND GIVE 1-2 GLASSES OF WATER  
 CONTACT PHYSICIAN OR POISON CONTROL CENTER

INHALATION

REMOVE TO FRESH AIR IMMEDIATELY  
 SEEK MEDICAL ATTENTION IF BREATHING DIFFICULTY DEVELOPS

NOTES TO PHYSICIANS

FOR ASSISTANCE WITH MEDICAL EMERGENCIES CONTACT (216) 566-2917

**SECTION 5: FIRE FIGHTING MEASURES**

FLASH POINT AND METHOD: NO FLASH AT BOILING POINT (SETA)  
FLAMMABLE LIMITS: NDA  
AUTOIGNITION TEMPERATURE: NDA  
GENERAL HAZARD  
NOT LIKELY TO CONTRIBUTE TO A FIRE HAZARD  
EXTINGUISHING MEDIA  
USE MATERIAL COMPATIBLE WITH OTHER BURNING MATERIAL  
FIRE FIGHTING INSTRUCTIONS  
WEAR APPROPRIATE PROTECTIVE CLOTHING  
USE SELF-CONTAINED BREATHING APPARATUS  
HAZARDOUS COMBUSTION PRODUCTS  
CARBON MONOXIDE  
CARBON DIOXIDE  
SENSITIVITY OF EXPLOSION BY MECHANICAL CONTACT  
NDA  
SENSITIVITY OF EXPLOSION BY STATIC DISCHARGE  
NDA

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

FOR ASSISTANCE WITH ACCIDENTAL RELEASES CONTACT:  
(216) 566-2917  
GENERAL  
DO NOT ATTEMPT TO CLEAN UP CHEMICAL SPILLS WITHOUT APPROPRIATE PERSONAL  
PROTECTIVE EQUIPMENT (SEE SECTION 8)  
COLLECT SPILLED PRODUCT AND TRANSFER TO SEALABLE CONTAINER FOR REUSE OR  
DISPOSAL  
RINSE AREA AND COLLECT WATER FOR DISPOSAL  
KEEP WASTE OUT OF SEWERS, WATERSHEDS, AND WATERWAYS  
SEE SECTION 13 FOR INFORMATION ON THE DISPOSAL OF RECOVERED MATERIAL  
REPORTABLE QUANTITY (RQ)  
NONE

**SECTION 7: HANDLING AND STORAGE**

STORAGE TEMPERATURE: AMBIENT  
STORAGE PRESSURE: ATMOSPHERIC  
GENERAL  
STORE AWAY FROM INCOMPATIBLE MATERIALS (SEE SECTION 10)  
USE WITH PROPER PERSONAL PROTECTIVE EQUIPMENT (SEE SECTION 8)  
EMPTY CONTAINERS MAY RETAIN HAZARDOUS PROPERTIES, FOLLOW ALL MSDS/LABEL  
WARNINGS EVEN AFTER CONTAINER IS EMPTIED  
DO NOT REUSE EMPTY CONTAINER FOR FOOD, CLOTHING, OR PRODUCTS FOR HUMAN  
OR ANIMAL CONSUMPTION  
KEEP THIS AND ALL CHEMICALS OUT OF REACH OF CHILDREN

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

ENGINEERING CONTROLS  
ASSURE THAT VENTILATION IS ADEQUATE  
PERSONAL PROTECTION  
FOR PROLONGED OR REPEATED USE IN A WORKPLACE SETTING  
RESPIRATOR  
NO RESPIRATORY PROTECTION IS REQUIRED  
EYE PROTECTION  
USE OF SAFETY GLASSES IS RECOMMENDED  
PROTECTIVE CLOTHING  
USE OF PROTECTIVE GLOVES IS RECOMMENDED  
FOR CLEANING UP SPILLS INVOLVING MULTIPLE UNITS  
RESPIRATOR  
IF VENTILATION IS ADEQUATE, NO RESPIRATORY PROTECTION IS NECESSARY  
IF RESPIRATORY PROTECTION IS DEEMED TO BE NECESSARY, SEEK PROFESSIONAL  
ADVICE PRIOR TO RESPIRATOR SELECTION AND USE  
FOLLOW OSHA RESPIRATOR REGULATIONS (29 CFR SUBSECTION 1910.134)  
IF THERE IS A POTENTIAL FOR AN UNCONTROLLED RELEASE, EXPOSURE LEVELS  
ARE NOT KNOWN, OR ANY OTHER CIRCUMSTANCES WHERE AIR PURIFYING  
RESPIRATORS MAY NOT PROVIDE ADEQUATE PROTECTION, USE A POSITIVE  
PRESSURE AIR SUPPLIED RESPIRATOR  
EYE PROTECTION  
SAFETY GOGGLES MUST BE WORN  
PROTECTIVE CLOTHING  
PROTECTIVE GLOVES MUST BE WORN

## SAFETY EQUIPMENT

NONE

## GENERAL

USE GOOD PERSONAL AND INDUSTRIAL HYGIENE PRACTICES  
 WASH THOROUGHLY AFTER USING PRODUCT  
 KEEP PRODUCT OFF OF CLOTHING AND EQUIPMENT  
 LAUNDRER CONTAMINATED CLOTHING BEFORE RE-USE  
 DO NOT EAT, DRINK, OR SMOKE IN ANY WORK AREA  
 IT IS ALWAYS GOOD INDUSTRIAL HYGIENE PRACTICE TO LIMIT, TO THE EXTENT  
 FEASIBLE, SKIN AND EYE CONTACT AND INHALATION OF CHEMICAL PRODUCTS

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE: LIQUID	APPEARANCE: OPAQUE
ODOR: SLIGHT AMMONIA	VAPOR PRESSURE: NDA
VAPOR DENSITY (AIR = 1): > 1	EVAPORATION RATE (N-BUTYL ACETATE = 1): < 1
PERCENT NON-VOLATILE BY VOLUME: 25.30 - 29.78	VOC % BY WEIGHT : 3.84 - 9.43
FREEZING POINT: NDA	MELTING POINT: NA
BOILING POINT: 197 DEG F(92 DEG C)	VISCOSITY : 75 +/- 3 KU @ 77 DEG (18 DEG C)
SPECIFIC GRAVITY: 1.017 - 1.243	BULK DENSITY: 8.48 - 10.37 LBS/GAL
SOLUBILITY IN WATER:DILUTABLE	PH: 8.75 +/- 0.25

**SECTION 10: STABILITY AND REACTIVITY**

## GENERAL

THIS PRODUCT WILL NOT POLYMERIZE  
 INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID  
 STRONG OXIDIZING AGENTS  
 DO NOT MIX WITH OTHER MATERIALS UNLESS SPECIFIED ON THE LABEL  
 HAZARDOUS DECOMPOSITION PRODUCTS  
 CARBON MONOXIDE  
 CARBON DIOXIDE

**SECTION 11: TOXICOLOGICAL INFORMATION**

THIS SECTION PROVIDES RELEVANT INFORMATION WITH REGARD TO ANY TOXICITY STUDIES PERFORMED ON THE PRODUCT, OR THE "PURE" FORM OF THE COMPONENT(S). THIS INFORMATION CAN BE SUBJECT TO MISINTERPRETATION. THEREFORE, IT IS ESSENTIAL THAT THE FOLLOWING INFORMATION BE INTERPRETED BY INDIVIDUALS TRAINED IN ITS EVALUATION. FOR ASSISTANCE WITH INTERPRETING THIS INFORMATION, CONTACT (216) 566-2917.

## PRODUCT BASED

TESTING OF AN ESSENTIALLY IDENTICAL FORMULA SHOWED NO EYE IRRITATION POTENTIAL. SKIN TESTING WITH THIS FORMULA SHOWED THE POTENTIAL FOR VERY SLIGHT, READILY REVERSIBLE SKIN IRRITATION (PII = 1.42). THIS FORMULA WAS NOT FOUND TO BE EITHER ORALLY TOXIC (LD50 > 5.0 GRAM/KG) OR DERMALLY TOXIC (LD50 > 2.0 GRAM/KG)

## INGREDIENT BASED

2,2,4-TRIMETHYL-1,3-PENTANEDIOL MONOISOBUTYRATE (CAS# 25265-77-4) CAUSES TRANSIENT SKIN AND EYE IRRITATION INVOLVING REDNESS AND SWELLING. 2,2,4-TRIMETHYL-1,3-PENTANEDIOL MONOISOBUTYRATE IS NOT EXPECTED TO CAUSE SKIN SENSITIZATION. 2,2,4-TRIMETHYL-1,3-PENTANEDIOL MONOISOBUTYRATE IS OF LOW ORDER OF TOXICITY WHEN TAKEN ORALLY. THE ORAL LD50 IN RATS AND MICE IS 3200 MG/KG

## PROPYLENE GLYCOL

(CAS# 57-55-6) IS A COLORLESS, ODORLESS, WATER-SOLUBLE LIQUID. BECAUSE OF IT'S LOW ORDER OF TOXICITY, IT IS OFTEN USED IN COMMERCIAL FORMULATIONS OF FOODS, DRUGS AND COSMETICS. EYE CONTACT AND FREQUENT DERMAL CONTACT WITH PROPYLENE GLYCOL CAN CAUSE SLIGHT SKIN IRRITATION WHICH HAS BEEN DESCRIBED BY FAINT, PATCHY REDNESS WITH SWELLING. PROPYLENE GLYCOL IS RAPIDLY ABSORBED FROM THE GASTROINTESTINAL TRACT. THERE IS LITTLE DIFFERENCE IN ACUTE ORAL TOXICITY OF PROPYLENE GLYCOL IN DIFFERENT SPECIES. GENERALLY, ORAL LD50'S ARE APPROXIMATELY 20 GRAM/KG. PROPYLENE GLYCOL HAS NOT BEEN SHOWN TO BE CARCINOGENIC OR A DEVELOPMENTAL OR REPRODUCTIVE TOXICANT.

## TITANIUM DIOXIDE

(CAS# 13463-67-7) IS A WHITE ODORLESS POWDER. EXPOSURE BY ALL ROUTES IS

GENERALLY NOT EXPECTED TO RESULT IN ADVERSE EFFECTS. HEAVY OCCUPATIONAL EXPOSURES TO THE DUST HAVE BEEN RELATED TO CHRONIC BRONCHITIS AND IMPAIRED LUNG FUNCTION. INGESTION OF LARGE AMOUNTS MAY RESULT IN ABDOMINAL PAIN, VOMITING, OR DIARRHEA. SKIN CONTACT WITH TITANIUM DIOXIDE IS NOT EXPECTED TO CAUSE IRRITATION. SKIN CONTACT WITH SMALL AMOUNTS OF TITANIUM DIOXIDE OVER A PERIOD OF THREE DAYS RESULTED IN ONLY MINOR IRRITATION. PROLONGED SKIN CONTACT IS NOT EXPECTED TO CAUSE IRRITANT CONTACT DERMATITIS OR ALLERGIC SENSITIZATION. THERE ARE NO DATA AVAILABLE IMPLICATING TITANIUM DIOXIDE AS A REPRODUCTIVE OR DEVELOPMENTAL TOXIN. TITANIUM DIOXIDE IS NOT CLASSIFIABLE AS TO ITS CARCINOGENICITY IN HUMANS BASED ON INADEQUATE EVIDENCE OF CARCINOGENICITY IN BOTH HUMANS AND EXPERIMENTAL ANIMALS. (IARC GROUP 3).

**SECTION 12: ECOLOGICAL INFORMATION**

NDA

**SECTION 13: DISPOSAL INFORMATION**

GENERAL

CONSULT A LOCAL EXPERT FOR ADVICE ON THE DISPOSAL OF THIS MATERIAL CHARACTERISTICS OF RECOVERED MATERIAL MAY DIFFER FROM THOSE OF ORIGINAL MATERIAL

ENSURE THAT DISPOSAL IS IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS

**SECTION 14: TRANSPORT INFORMATION**

DOT PROPER SHIPPING NAME: PAINT AND RELATED MATERIAL

**SECTION 15: REGULATORY INFORMATION**

CHEMICAL INVENTORIES

ALL COMPONENTS OF THIS PRODUCT ARE INCLUDED ON THE TSCA INVENTORY LIST, THE DSL NDSL, AND THE EINECS REPORTABLE QUANTITY (RQ)

NONE

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

SUBSECTION 302 EXTREMELY HAZARDOUS MATERIALS

NONE

SUBSECTION 304 NOTIFICATION OF ACCIDENTAL RELEASE

NONE

SUBSECTION 311/312 HAZARD CATEGORIES

IMMEDIATE (ACUTE) HEALTH EFFECTS: NO

DELAYED (CHRONIC) HEALTH EFFECTS: NO

FIRE HAZARD: NO

SUDDEN RELEASE OF PRESSURE HAZARD: NO

REACTIVITY HAZARD: NO

SUBSECTION 313 TOXIC CHEMICAL RELEASE REPORTING

NONE

STATE REGULATORY INFORMATION:

SINCE EACH STATE HAS THE AUTHORITY TO PROMULGATE STANDARDS MORE STRINGENT THAN THE FEDERAL GOVERNMENT, THIS SECTION CANNOT PROVIDE AN INCLUSIVE LIST OF ALL STATE REGULATIONS WHICH APPLY TO THIS PRODUCT. QUESTIONS RELATED TO STATE REGULATIONS SHOULD BE DIRECTED TOWARD LOCAL OFFICIALS.

**SECTION 16: OTHER INFORMATION**

ABBREVIATIONS

ACGIH	AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS	NTP	NATIONAL TOXICOLOGY PROGRAM
		OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
AIHA	AMERICAN INDUSTRIAL HYGIENE ASSOCIATION		
CAS#	CHEMICAL ABSTRACTS SERVICE NUMBER	RF	RESPIRABLE FRACTION
DOT	DEPARTMENT OF TRANSPORTATION	RTECS	REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
DSL	DOMESTIC SUBSTANCE LIST		
EINECS	EUROPEAN INVENTORY OF EXISTING CHEMICAL SUBSTANCES	STEL	SHORT TERM EXPOSURE LIMIT
		TERIS	TERATOGEN INFORMATION SYSTEM
IARC	INTERNATIONAL AGENCY FOR RESEARCH ON CANCER	TLV	THRESHOLD LIMIT VALUE
IATA	INTERNATIONAL AIR TRANSPORT	TD	TOTAL DUST

ASSOCIATION  
IMO INTERNATIONAL MARITIME ORGANIZATION  
LEL LOWER EXPLOSION LIMIT  
MSDS MATERIAL SAFETY DATA SHEET  
NDSL NON-DOMESTIC SUBSTANCE LIST

TSCA TOXIC SUBSTANCES CONTROL ACT  
TWA TIME-WEIGHTED AVERAGE  
UEL UPPER EXPLOSION LIMIT  
WEEL WORKPLACE ENVIRONMENTAL  
EXPOSURE LEVEL

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PREPARED BY:	JOELE ROWENHORST, RPH, CSPI ASSOCIATE TOXICOLOGIST
REVIEWED BY:	ROBERT ROY, PHD., DABT SENIOR TOXICOLOGIST

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NDA = NO DATA AVAILABLE  
NA = NOT APPLICABLE